

**Fig. 1**

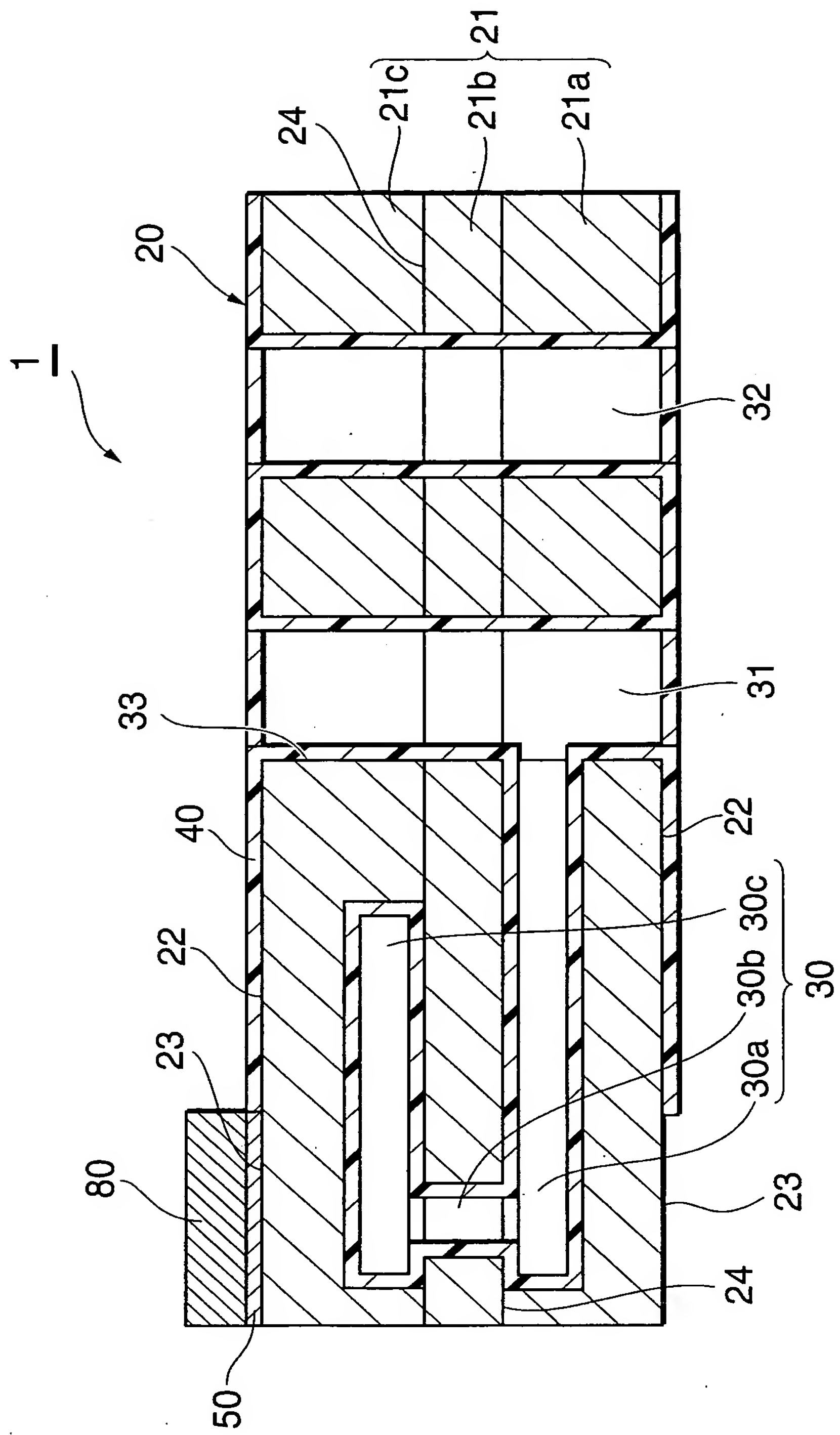
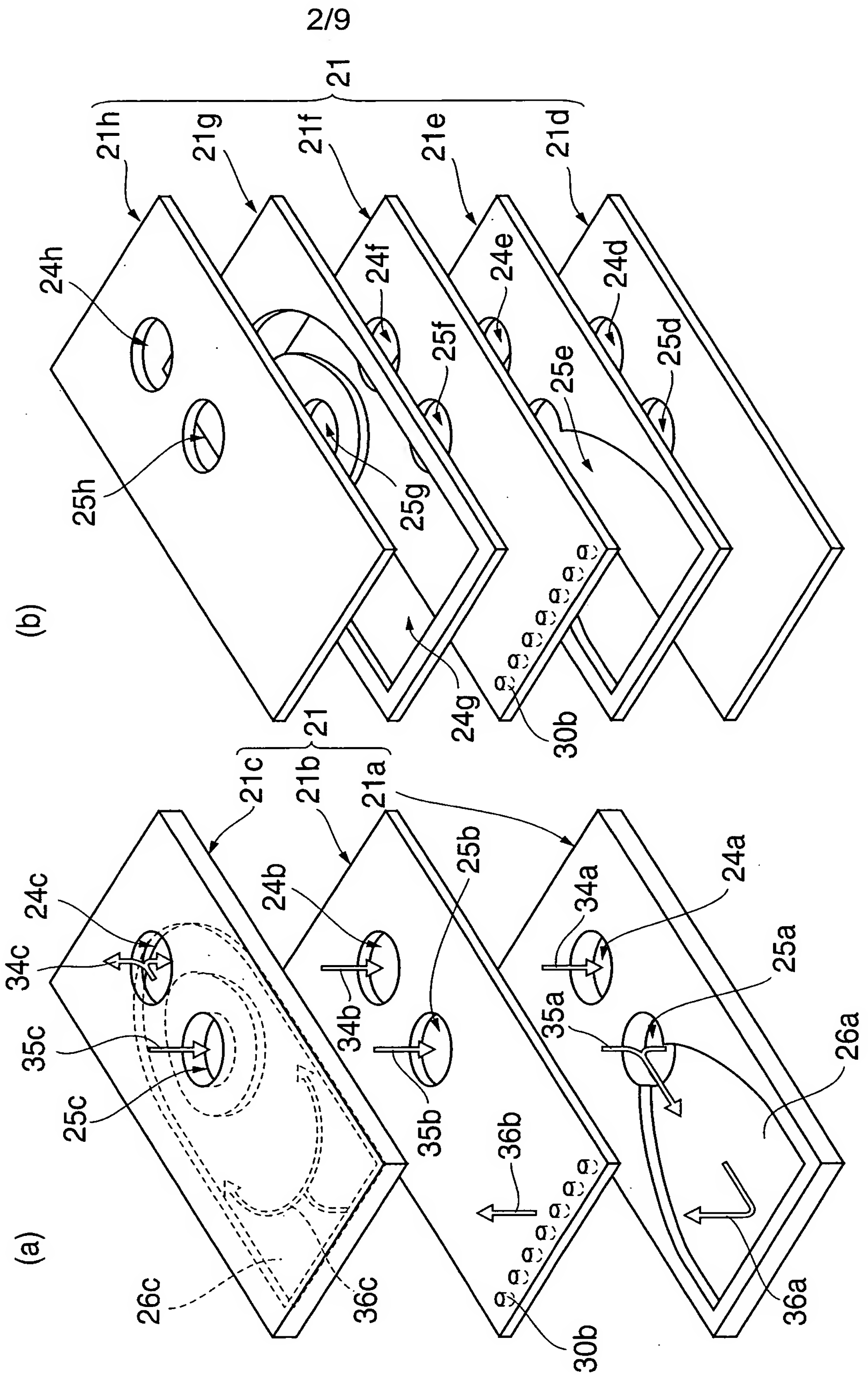
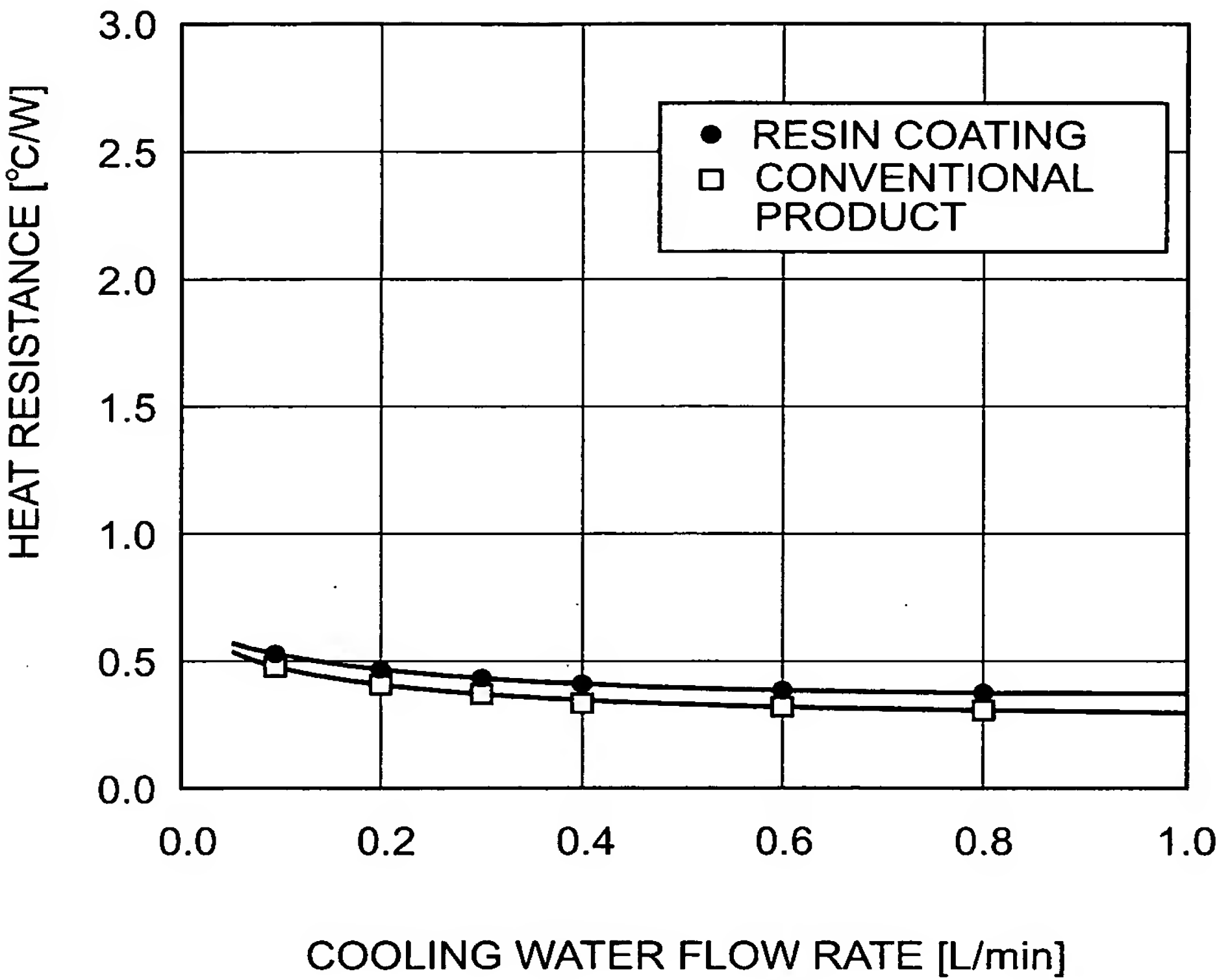


Fig.2



**Fig.3**



CLASSIFICATION	MATERIAL	PERFORMANCE EVALUATION						LOWNESS OF COST
		EASE OF FORMING	ADHESION	WATER RESISTANCE	DENSENESS (NON-PRESENCE OF PINHOLES)	ELECTRICAL INSULATING PROPERTY	THERMAL CHARACTERISTICS	
POLYMER	EPOXY-BASED	⊙	⊙	⊙	○	⊙	Δ	⊙(INEXPENSIVE)
	ACRYLIC-BASED	Δ	○	Δ	○	○	Δ	○(RELATIVELY INEXPENSIVE)
	SILICONE	x	Δ	Δ	○	○	Δ	Δ(RELATIVELY EXPENSIVE)
	URETHANE	x	x	○	x	○	x	○(RELATIVELY INEXPENSIVE)
	POLYIMIDE	Δ	○	○	○	⊙	x	x (EXPENSIVE)
	FLUORINE-BASED	x	○	Δ	○	○	x	x (EXPENSIVE)
CERAMIC		x						x (EXPENSIVE)
OTHERS	DIAMOND	x	—	—	○	○	⊙	x (EXPENSIVE)
	DLC (Diamond Like Carbon)	Δ	—	—	○	○	○	x (EXPENSIVE)
NOTE ⊙.....EXCELLENT ○.....GOOD Δ.....POOR x.....EXTREMELY POOR								

NOTE ©.....EXCELLENT  
O.....GOOD  
Δ.....POOR  
x .....EXTREMELY  
POOR

**Fig.5**

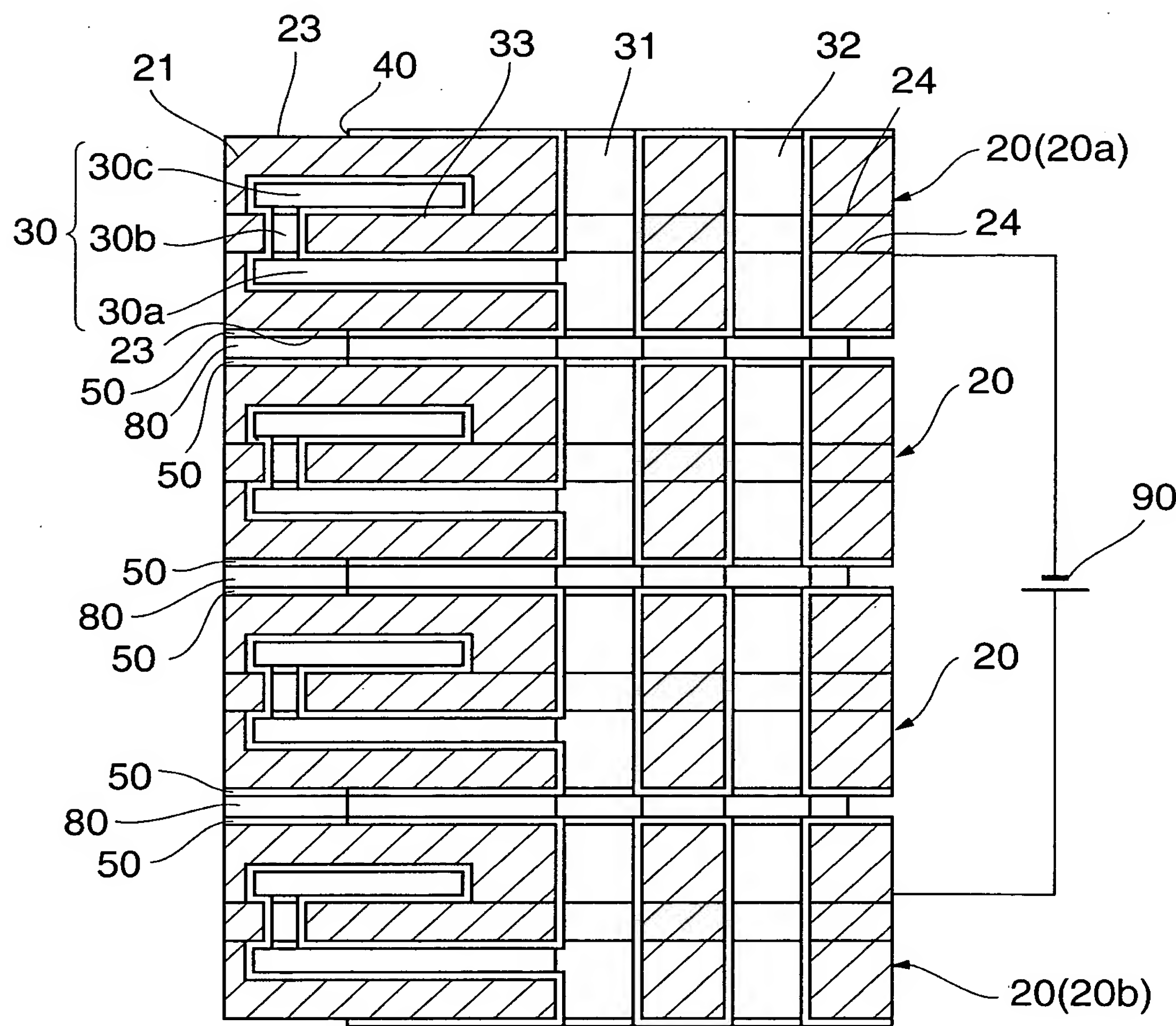
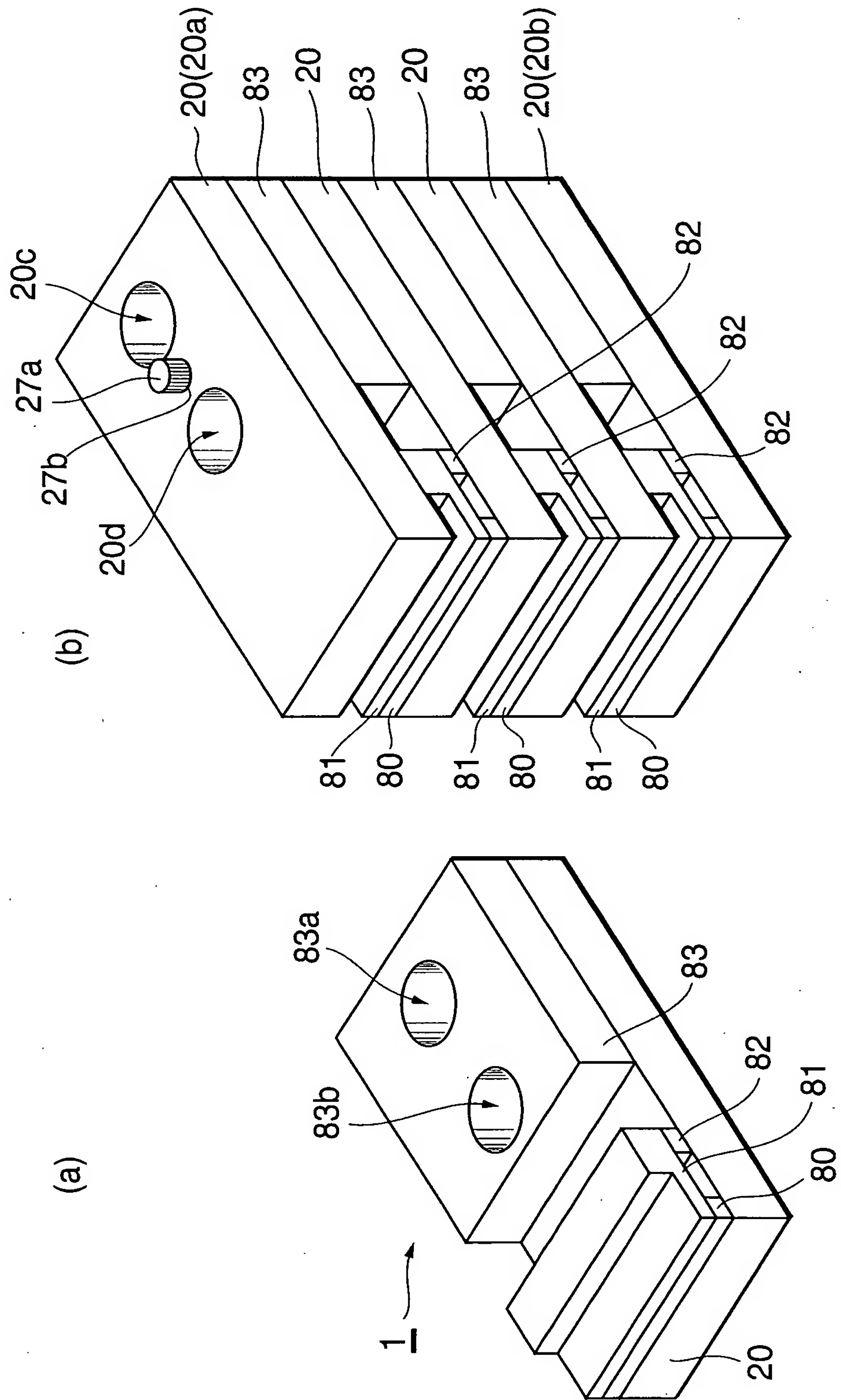
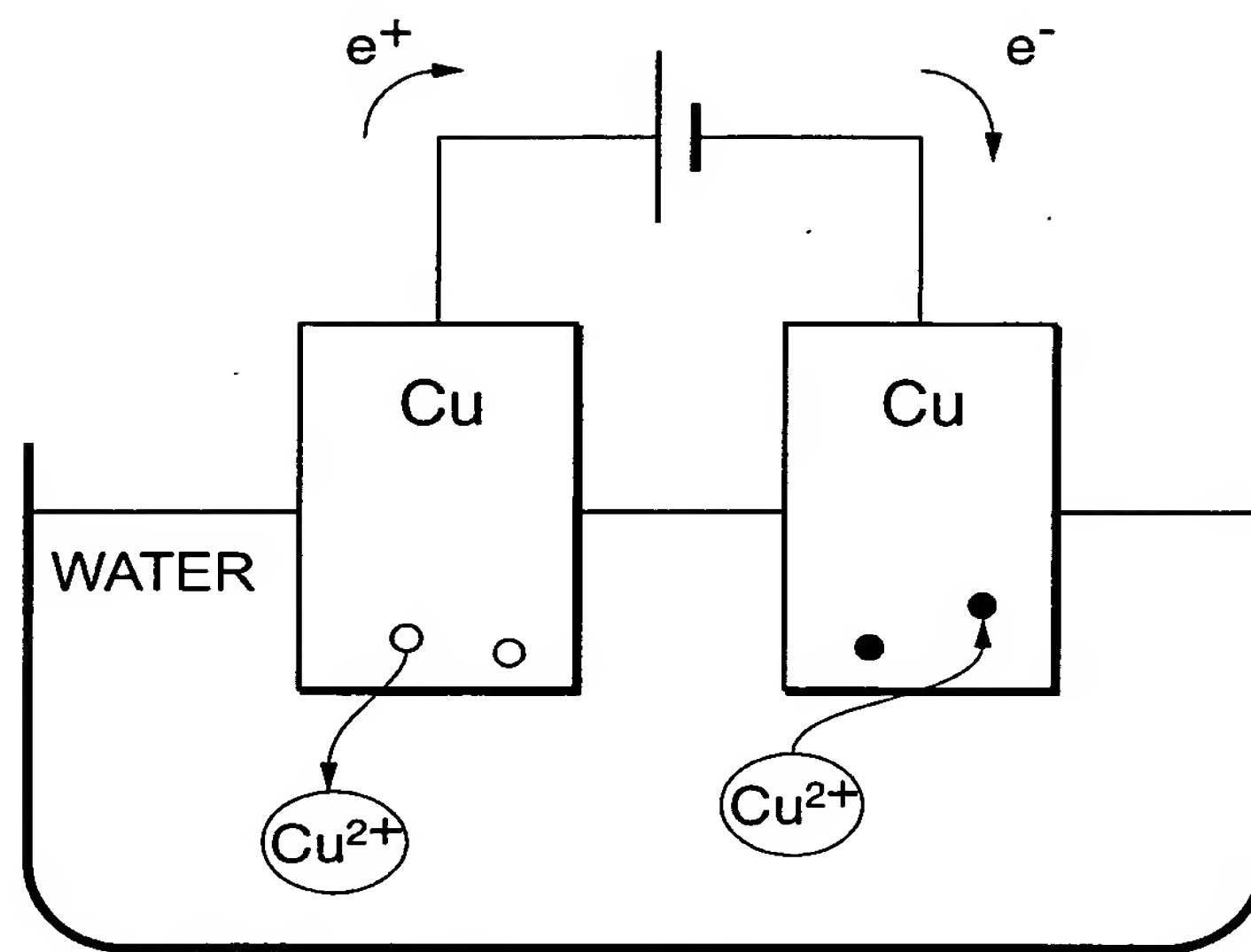
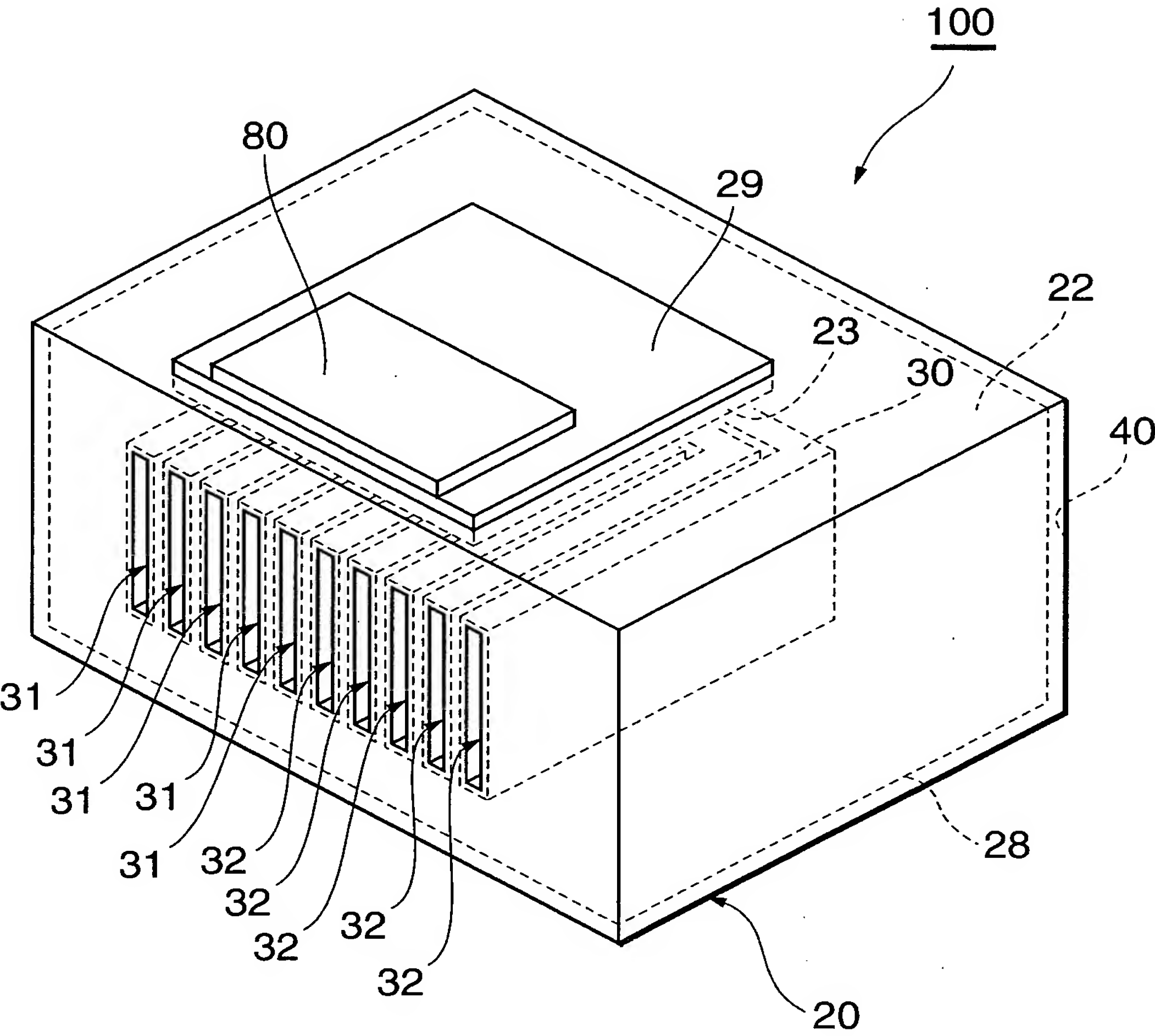


Fig.6



**Fig.7**

**Fig.8**





**Fig.9**

